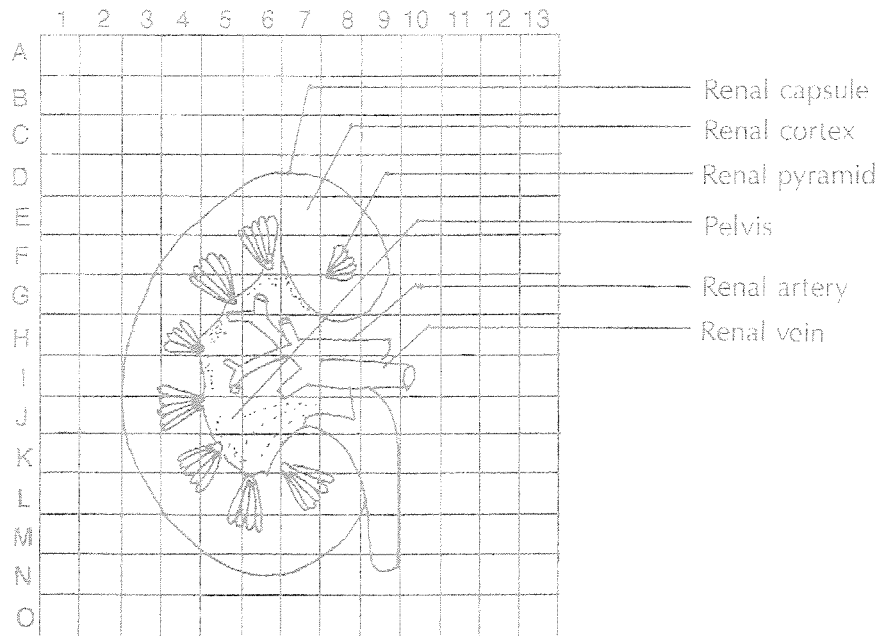


## 10-4. THE INTERNAL ANATOMY OF THE KIDNEY

**Instructions:** (1.) Read the text. (2.) Use the text and the diagram to help you to answer the questions. *Note:* You will need a metric ruler.



While completing this project, you will sketch a kidney with the same dimensions as a human kidney. You will also learn to identify and name its internal structures. To complete this project—

- ☐ Use the enlargement grid on the next page to help you to sketch a life-sized kidney. To begin, locate box D6 on the above diagram; sketch what you see there on the corresponding box (D6) on the enlargement grid. Complete the enlargement.
- ☐ Label the drawing that you have enlarged.
- ☐ Use a metric ruler to measure the length and width of the enlarged kidney. You will use your measurements to answer questions 6 and 7.

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### Level One Questions:

1. The outer covering of the kidney is called the renal \_\_\_\_\_.
2. The triangular structures are called the renal \_\_\_\_\_.
3. The number of renal pyramids varies from individual to individual. How many renal pyramids are in this kidney? \_\_\_\_\_
4. The area in which the renal pyramids lie is called the \_\_\_\_\_.
5. As urine forms, it collects in the pelvis of the kidney before it leaves through a tube called the \_\_\_\_\_.
6. The human kidney is about \_\_\_\_\_ cm. long.
7. The human kidney is about \_\_\_\_\_ cm. wide.

10-4. THE INTERNAL ANATOMY OF THE KIDNEY, *continued*

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